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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference							
PCT 21087	FOR FURTHER ACTION	Preliminary Examination Report (Form PC1/IPEA/416)					
International application No.	International filing date (day/ma	onth/year)	Priority date (day/month/year)				
PCT/US03/11022	11 April 2003 (11.04.2003)		16 April 2002 (16.04.2002)				
International Patent Classification (IPC)	or national classification and IPC						
IPC(7): A61K 31/496; C07D 401/14. an	IPC(7): A61K 31/496; C07D 401/14. and US Cl.: 514/253.07; 544/363.						
Applicant							
MERCK & CO., INC.							
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.							
2. This REPORT consists of a total of 4 sheets, including this cover sheet.							
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings							
which have been amended and are the basis for this report and/or sheets containing rectifications made							
before this Authority	before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of a total of							
3. This report contains indications relating to the following items:							
I Basis of the report							
V X Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
VI Certain documents cited							
VII Certain defects in	a the international application						
VIII Certain observations on the international application							
k a comme contraction and management approxime							
Date of submission of the demand		of completion	of this report				
24 June 2003 (24.06.2003)		15 May 2004 (15.05.2004)					
Name and mailing address of the IPEA/US		rized officer					
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents		Crance tord					
P.O. Box 1450 Alexandria, Virginia 22313-1450		Emily Bernhardt					
Facsimile No. (703) 305-3230		ione No. (571)	272-1600				

Form PCT/IPEA/409 (cover sheet)(July 1998)

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International appli PCT/US03/11022 No.

I. Basis of the report 1. With regard to the elements of the international application:* the international application as originally filed. the description: pages 1-41 as originally filed pages NONE , filed with the demand pages NONE _, filed with the letter of $|\times|$ the claims: pages 42-50 ____, as originally filed pages NONE ____, as amended (together with any statement) under Article 19 pages NONE ____, filed with the demand pages NONE , filed with the letter of IXI the drawings: pages 1-5 , as originally filed pages NONE , filed with the demand pages NONE , filed with the letter of the sequence listing part of the description: pages NONE ___, as originally filed pages NONE , filed with the demand pages NONE ____, filed with the letter of 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language _____ which is: the language of a translation furnished for the purposes of international search (under Rule23.1(b)). the language of publication of the international application (under Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3). 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing: contained in the international application in printed form. filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished. The amendments have resulted in the cancellation of: 4 the description, pages NONE the claims, Nos. NONE the drawings, sheets/fig NONE 5. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).** * Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

Form PCT/IPEA/409 (Box I) (July 1998)

INTERNATIONAL PRELIMINERY EXAMINATION REPORT

International applete No. PCT/US03/11022

citations and explanations supporting s STATEMENT			<u> </u>
Novelty (N)	Claima	1 45	
	Claims Claims		YE
	Channes	NONE	NO
Inventive Step (IS)	Claims	1-45	YE
	Claims	NONE	NO
Industrial Applicability (IA)	Claims	1-45	
	Claims		YE
			NO
Claims 1-45 meet the criteria set out in P ter claimed can be made or used in industry. A sine kinases.	variety of uses ar	e described based on instant co	mpounds' ability as inhibitors of
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or chamiled can be made or used in mousiry. A	variety of uses ar	e described based on instant co	mpounds' ability as inhibitors o
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ter claimed can be made or used in industry. A sine kinases.	variety of uses ar	e described based on instant co	mpounds' ability as inhibitors c

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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VIII. Certain observations on the international application

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The following observations on the clarity of the claims, description, and drawings or on the questions whether the claims are fully supported by the description, are made:

Claims 1-45 are objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because the claims are indefinite for the following reason(s):

1. It should be made clear throughout the independent claims which form out of the many described in the description is being particularly claimed.

2. What is the difference in scope between claims 1 vs 2 or 3 vs 4 or 5 vs 6? In all of these sets of claims it appears the same compound is being claimed only further characterized.

3. It is not seen how claim 8 differs materially from 7 since the only isolation of the solid described in the description pages is by way of the collection step in 8.



PCT

NOTE OF INFORMAL COMMUNICATION WITH THE APPLICANT

(PCT Rule 66.6)

International application	No.	Applicant's or agent's f	ile reference	Date of informal communication		
PCT/US03/11022		PCT 21087		(day/month/year) 14 May 2004 (14.05.2004)		
Applicant		101 2100/		14 May 2004 (14.05.2004)		
MERCK & CO., INC.						
	·····		T.J			
Communication	Participants		Identity checked	authorization personally checked known		
by telephone	Applicant	:				
personal	Agent:	Mr. Matthew Leff				
	Examiner	(s): Emily Bernhardt				
Summary of communica	tion:					
The examiner requested	permission to go	directly to a 409 despite	the need to make ne	gative statements and/or observations on the		
claims. Mr. Leff authori	zed permission to	do so.		-		
		1				
An extension of time limit is granted (Form PCT/IPEA/427.						
A copy of this note is being sent to the applicant with Form PCT/IPEA/429.						
PCT/IPEA/424.						
Name and mailing addres	c of the IDE A /110	,				
Mail Stop PCT, A			Authorized officer	Onioni		
Commissioner for			Emily Bernhardt	Janece force		
P.O. Box 1450 Alexandria, Virgi	nia 22313-1450		•	Januie Ford		
Facsimile No. (703) 305-	3230		Telephone No. (57	11) 212-1000 [: 0]		
orm PCT/IPEA/428 (July 1992)						